

Psychosine

Ps

SPC

SIP

LPA

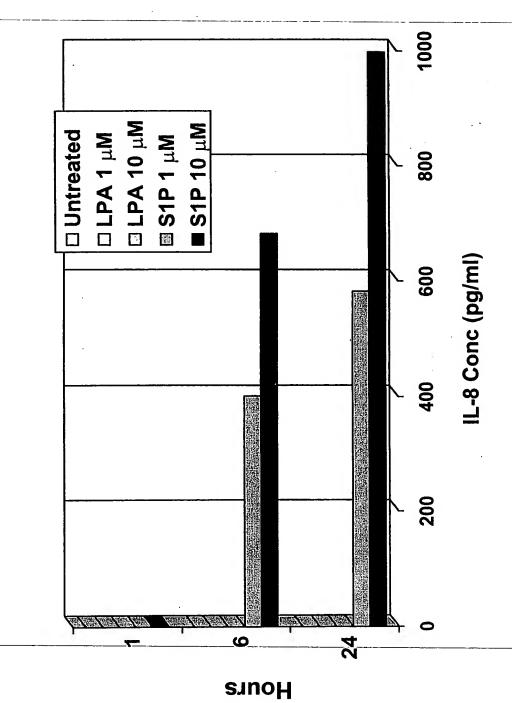


Figure 1B.

U

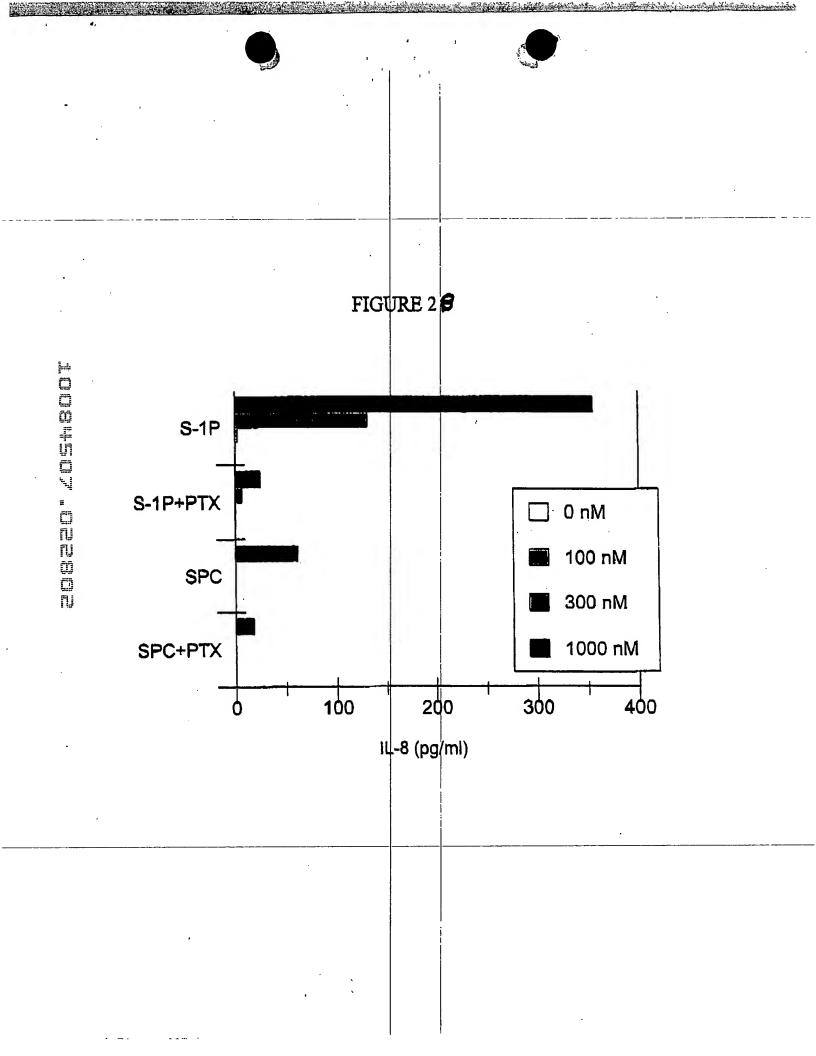
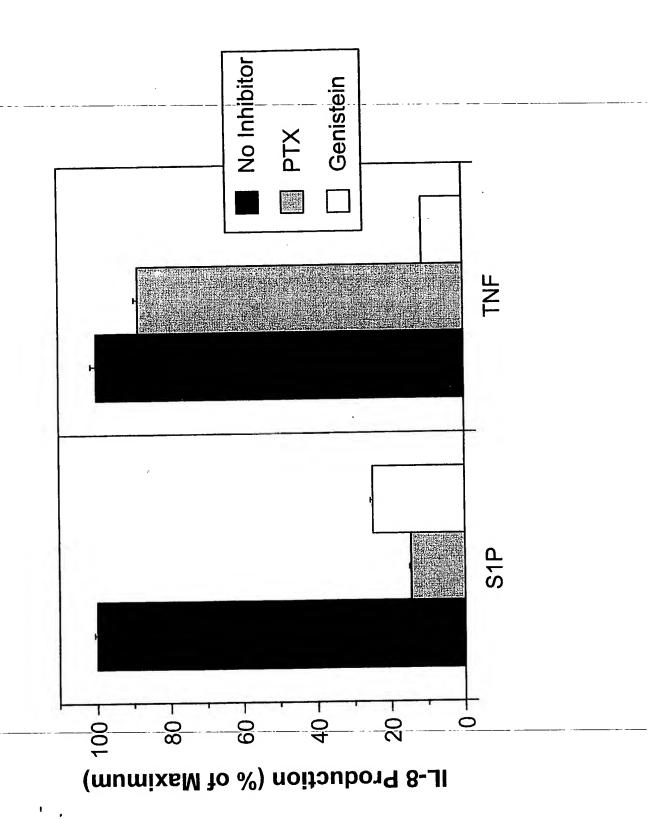
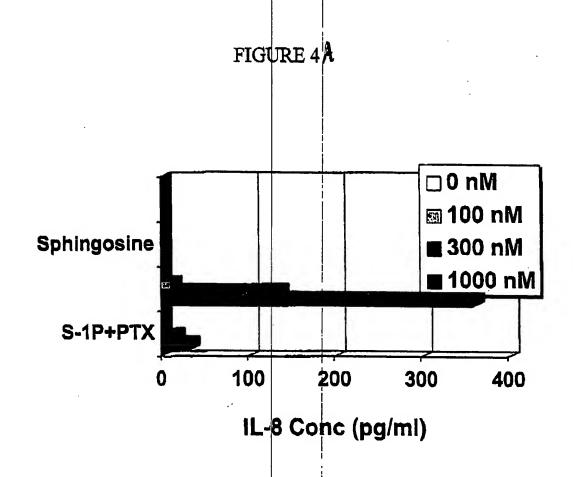
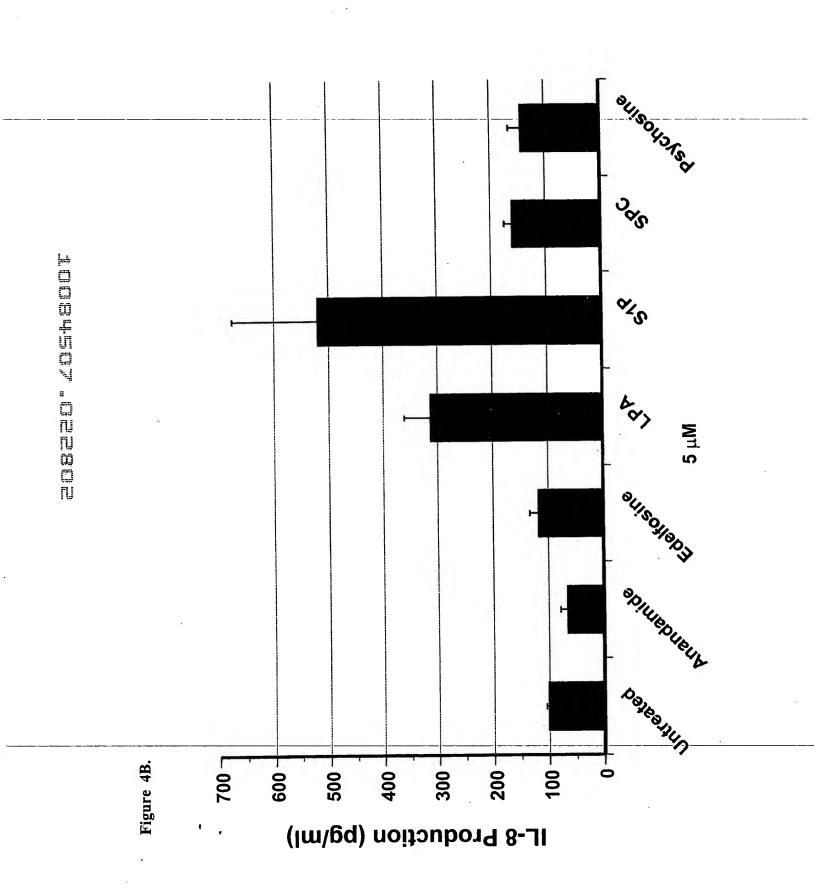


Figure 3.







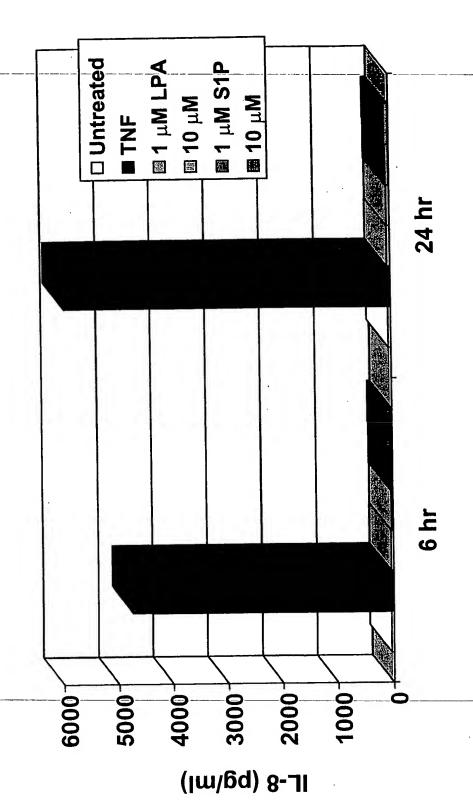
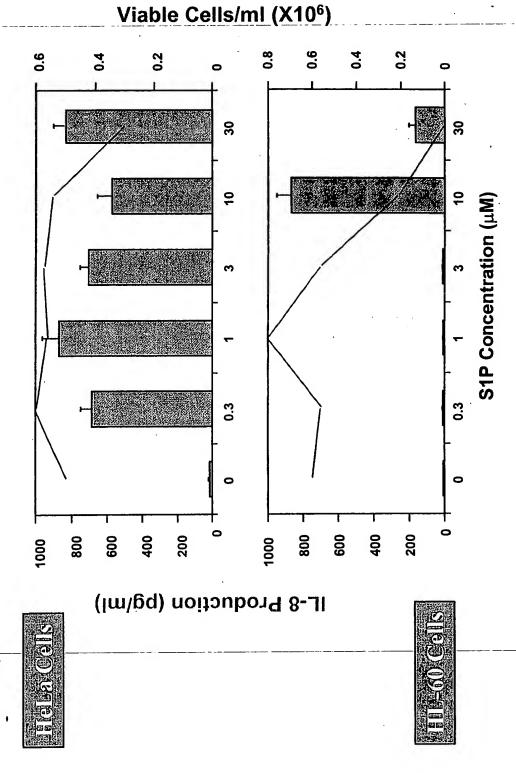
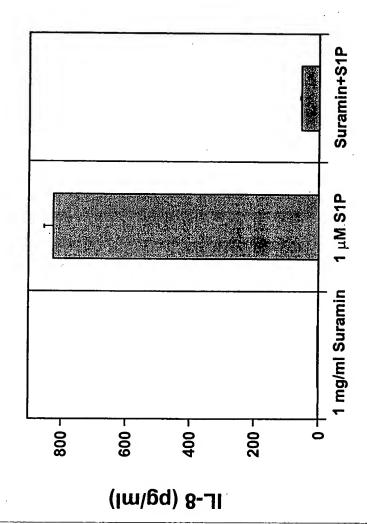
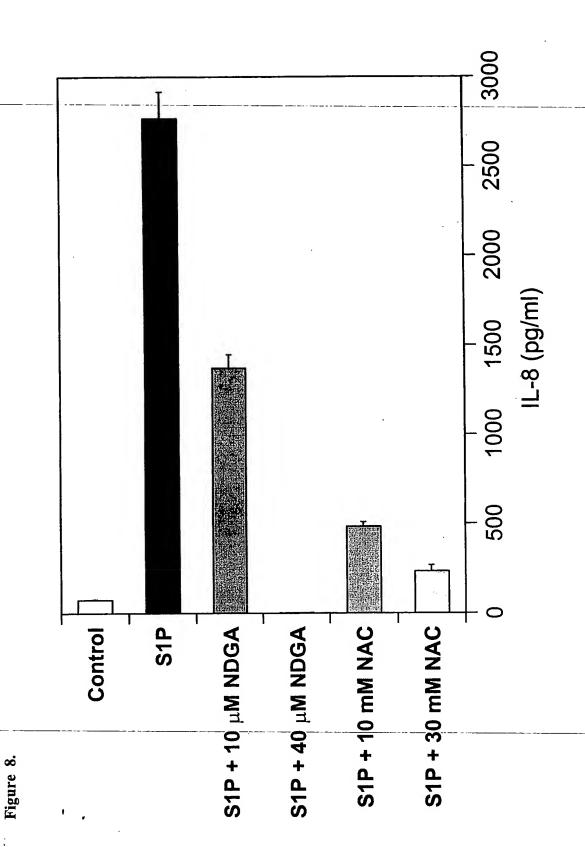


Figure 5.







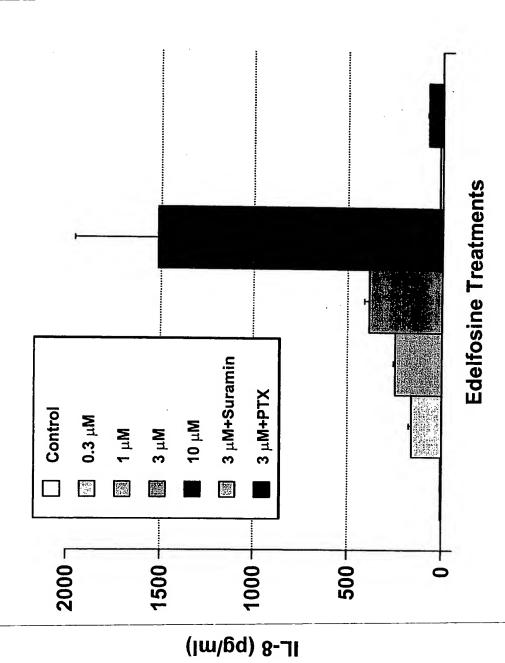


Figure 11.

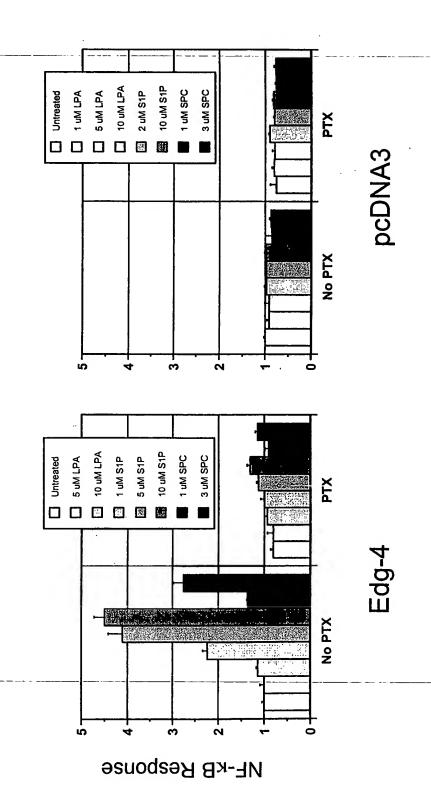
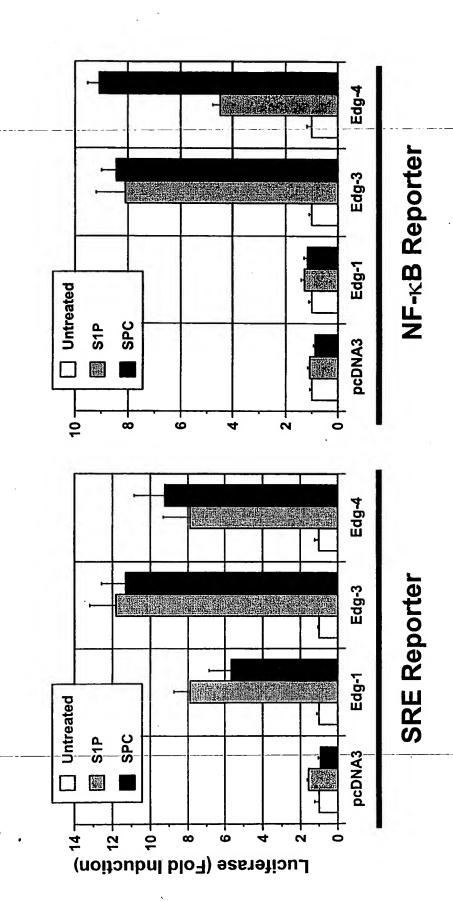


Figure 13.



AA827835

FIGURE 14

1					50)
AA834537	AAA	GCCCCATGGC	CCCAGCAGG	C CTCT	GAGCCC	CACCATGGGC
AA804628	AAA	GCCCCATGGC	CCCAGCAGG	c crcr	GAGCCC	CACCATGGGC
AA827835	AGTTCTGAAA	GCCCCATGGC	CCCAGCAGG	C CICI	GAGCCC	CACCATGGGC
	51					100
AAB34537		CGGAGTACCT				
AA804628						AACACTATAA
AA827835	AGCTTGTACT	CGGAGTACCT	GAACCCCAA	C AAGG	TCCAGG	AACACTATAA
	101					150
AA834537		GAGACGCTGG				
AA904628		GAGACGCTGG				
AA827835	TTATACCAAG	GAGACGCTGG	AAACGCAGG	A GACG	ACCICC	CGCCAGGTGG
	101		ĺ			200
AA834537	151	CATCCTCATC	CTCTCTTCC	G CCAT	بالمعالمات	GGAAAACCTT
AA804628						GGAAAACCTT
AA827835					1	GGAAAACCTT
Wasian	GC1CGGCC11	CHCO1CH1C	C.C.C.	e can	101001	COURSESSEE !
	201		1			250
AA834537		TTGCGGTGGC	CCGAAACAG	C AAGI	TCCACT	CGGCAATGTA
AA804628	-				1	CGGCAATGTA
AA827835	CTGGTGCTCA	TTGCGGTGGC	CCGAAACAG	C AAGI	TCCACT	CGGCAATGTA
	251					300
AA834537						GGCGTGGCCT
AA804628						GGCGTGGCCT
AA827835	CCTGTTTCTG	GGCAACCTGG	ccccccccc	a icti	CTGGCA	GGCGTGG.CT
	301					350
AA834537						GCTGACGCCT
AA804628				,		GCTGACGCCT
AA827835	TCGTAGCCAA	TACCTTGCTC	TCTOGCTCT	CAOT D	EGCTGAG	GCTGACGCCT
	254					400
*****	351	mmacacacas	CC CIPCTIC C	en mosc		CTCGGCCTCT
AA834537 AA804628		TTGCCCGGGA				
AA827835		TTGCCCGGGA				
AA64/633	G1@~WG1@G1	ridecedada				
	401					450
AA834537		TCCTGGCCAT	CGCCATTG	a cec	CACGTGG	CCATTGCAAA
AA804628	~~~~~~	~~~~~~	~~~~			~~~~~
AA827835	~~~~	~				~~~~~~
	451					
AA834537	GG					
AA804628				1		

FIGURE 15 A

	MCSLYSIY	
1	ANAGCCCCATGGCCCCAGCAGGCCTCTGAGCCCCACCATGGGCAGCTTGTACTCGGAGTA	
		60
	TTTCGGGGTACCGGGGTCGTCCGGAGACTCGGGGTGGTACCCGTCGAACATGAGCCTCAT	
	LNPNKVQBRYNYTKETLETQ	
	CCTGAACCCCAACAAGGTCCAGGAACACTATAATTATACCAAGGAGACGCTGGAAACGCA	
٠,	CCTAWACC Approximate Commence of an annual transfer of the comment of the commence of the comm	120
61	GGACTTGGGGTTGTTCCAGGTCCTTGTGATATTAATATGGTTCCTCTGCGACCTTTGCGT	
	GGACIIGGGIIGI	
	ETTSRQVASAFIVILCCAIV	
	der al principal concentrate de la contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata del contrata del contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata	
121		180
	CCTCTGCTGGAGGGCGGTCCACCGGAGCCGGAAGTAGCAGTAGGAGACAACGCGGTAACA	
	VENLLVLIAVARNSKFHSAM	
	GGTGGAAAACCTTCTGGTGCTCATTGCGGT¢GCCCGAAACAGCAAGTTCCACTCGGCAAT	
161		240
_	CCACCTTTTGGAAGACCACGAGTAACGCCACCGGCTTTGTCGTTCAAGGTGAGCCGTTA	
	Y L F L Q N L A A S D L L A G V A F V A	
	GTACCTGTTTCTGGGCAACCTGGCCGCCTC CGATCTACTGGCAGGCGTGGCCTTCGTAGC	300
241		300
	CATGGACAAAGACCCGTTGGACCGGCGGAGCCTAGATGACCGTCCGCACCGGAAGCATCG	
	NTLLSGSVTLRLTPVQWFAR	
	CANTACCTTGCTCTGGCTCTGTCACGCTGAGGCTGACGCCTGTGCAGTGGTTTGCCCG	
201		360
301	GTTATGGAACGAGAGCCGAGACAGTGCGACTCCGACTGCGGACACGTCACCAAACGGGC	
	AT TATA TO THE TOTAL TO THE TATAL THE TATAL TO THE TATAL THE TATAL TO	
	EGSAFITLSASVESLLAIAI	
	GRACHGCTCTGCCTTCATCACGCTCTGGGCCTCTGTCTTCAGCCTCTGGCCATCGCCAT	
361		420
	CCTCCCGAGACGGAAGTAGTGCGAGAGCCGGAGACAGAAGTCGGAGGACCGGTAGCGGTA	
	ERHVAIAKVKLYGSDKSCRM	
	TGAGCGCCACGTGGCCATTGCCAAGGTCAAGCTGTATGGCAGCGACAAGAGCTGCCGCAT	400
421		480
	ACTCGCGGTGCACCGGTAACGGTTCCAGTTCGACATACCGTCGCTGTTCTCGACGGCGTA	
	LLIGASWLISLVLGGLPIL	
	GCTTCTGCTCATCGGGGCCTCGTGGCTCATCTCGCTGGTCCTCGGTGGCCTGCCCATCCT	540
481	CGAAGACGAGTAGCCCCGGAGCACCGAGTAGAGCGACCAGGAGCCACCGGACGGGTAGGA	210
	CGAAGACGAGTACCCCGGAGCACCGAGTAGAAGCCACCACCACCACCACCACCACCACCACCACCACC	
	GWNC-LGHLEACSTVLPLYAR	
	TEGCTEGAACTECCTEGGCCACCTCCACTETCCTCCTCTACGCCAA	
gs 4 4		600
541	ACCGACCTTGACGGACCCGGTGGAGCTCCGGACGACGTGACAGGACGGAGAGATGCGGTT	-
	UCCULAL TOUCCULAGA ANTONIA DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DEL CONTRACTION DE LA C	
	HYVLCVVTIPSIILLAIVAL	
	GC1 TT2 TOTGCTGCGTGGTGACCATCTTCTCCATCATCCTGTTGGCCATCGTGGCCCT	
601		660
- U - L	COMPANIA CA CON CA COCA COS COS COS COS COS COS CARROLAS CONTRACAS CARROLAS CONTRACAS	

	1 1	
	Y V R I Y C V V R 8 S B A D M A A P Q T GTACGTGCGCATCTACTGCGTGGTCCGCTCAAGCCACGCTGACATGGCCGCCGCAGAC	
561	CATGCACGCGTAGATGACGCCACCAGGCGAGTTCGGTGCGACTGTACCGGCGGGGGGTCTG	720
	L A L L K T V T I V L G V F I V C W L F GCTAGCCCTGCTCAAGACGGTCACCATCGTGCTAGGCGTCTTTATCGTCTGCTGCCTGC	
721	CONTCGGGACGAGTTCTGCCAGTGGTAGCACGATCCGCAGAAATAGCAGACGACGG	780
	A F S I L L D Y A C P V H S C P I L Y COCCTTCAGCATCCTCTGGACTATGCCTGTCCCGTCCACTCCTGCCCGATCCTCTA	
791	GCGGAAGTCGTAGGAGGAAGACCTGATACGGACAGGGCAGGTGAGGACGGGCTAGGAGAT	840
	KAHYR FAVS TLNSLLN PVI Y	
841	GTTTCGGGTGATGRAAAAGCGGCAGAGGTGGGACTTAAGGGACGAGTTGGGGCAGTAGAT	900
901	T W R S R D L R R E V L R P L Q C W R P CACGTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	960
	GTGCACCGCCTCGACGCCCTCCACGAACCCGGCGACGTNACGACCGCCGG	
961	G V G V Q G R R R G G T F G H H L L P L GGGGGTGGGGGTGGAGGAGGGGGGGGGGGGGGGGGGGG	1020
	RSSSLERGMEMPTSPTFLE	
.021	CCGCAGCTCCAGCTCCCTGGAGAGGGCATSCACATGGCCACGTCACGCACGTTTCTGGA GGCGTCGAGGTCGAGGGACCTCTCCCCGTACGTGTACGGGTGCAGTGGGTGAAAAGACCT	1080
	G N T V V * GGGCAACACGGTGGTCTGAGGGTGGACCAACAACCAGGCCAGGGCATAGGGGTT	
1081	CCCGTTGTGCCACCAGACTCCCACCCCCACCTGGTTGTTGGTCCGGTCCCGTATCCCCAA	1140
1141	CATGGAAAGGCCACTGGGTGACCCCAAATA 1170 GTACCTTTCCGGTGACCCACTGGGGTTTAT	

Figure 15B cDNA sequence of clone pC3-hedg4#36 encoding functional HEDG4 receptor protein.

٠		ATGGGCAGCTTGTACTCGGAGTACCTGAACCCCAACAAGGTCCAGGAACACTATAATTAT	
	1	TACCCGTCGAACATGAGCCTCATGGACTTGGGGGTTGTTCCAGGTCCTTGTGATATTAATA'	,60
	61	ACCAAGGAGACGCTGGAAACGCAGGAGACGACCTCCCGCCAGGTGGCCTCGGCCTTCATC	120
		TGGTTCCTCTGCGACCTTTGCGTCCTCTGCTGGAGGCGGTCCACCGGAGCCGGAAGTAG	
<u>jud</u>	121	GTCATCCTCTGTTGCGCCATTGTGGTGGAAAACCTTCTGGTGCTCATTGCGGTGGCCCGA	180
		CAGTAGGAGACAACGCGGTAACACCACCTTTTGGAAGACCACGAGTAACGCCACCGGGCT	100
T I I	181	AACAGCAAGTTCCACTCGGCAATGTACCTGTTTCTGGGCAACCTGGCCGCCTCCGATCTA	240
		TTGTCGTTCAAGGTGAGCCGTTACATGGACAAAGACCCGTTGGACCGGCGGAGGCTAGAT	240
1.45.48 1.45.48 1.45.48	241	$\tt CTGGCAGGCGTGGCCTTCGTAGCCAATACCTTGCTCTCTGGCTCTGTCACGCTGAGGCTG$. 0.
	241	GACCGTCCGCACCGGAAGCATCGGTTATGGAACGAGAGACCGAGACAGTGCGACTCCGAC	300
		ACGCCTGTGCAGTGTTTGCCCGGGAGGGCTCTGCCTTCATCACGCTCTCGGCCTCTGTC	
	301	TGCGGACACGTCACCAAACGGGCCCTCCCGAGACGGAAGTAGTGCGAGAGCCGGAGACAG	360
		TTCAGCCTCCTGGCCATCGCCATTGAGCGCCACGTGGCCATTGCCAAGGTCAAGCTGTAT	
	361	AAGTCGGAGGACCGGTAGCGGTAACTCGCGGTGCACCGGTAACGGTTCCAGTTCGACATA	420
		GGCAGCGACAAGAGCTGCCGCATGCTTCTGCTCATCGGGGGCCTCGTGGCTCATCTCGCTG	
	421	CCGTCGCTGTTCTCGACGGCGTACGAAGACGAGTAGCCCCGGAGCACCGAGTAGAGCGAC	480
		GTCCTCGGTGGCCTGCCCATCCTTGGCTGGAACTGCCTGGGCCCACCTCGAGGCCTGCTCC	
	481	CAGGAGCCACCGGACGGTAGGAACCGACCTTGACGGACCCGGTGGAGCTCCGGACGAGG	540
		ACTGTCCTGCCTCTCTACGCCAAGCATTATGTGCTGTGC	
	541	TGACAGGACGGAGAGATGCGGTTCGTAATACACGACACG	600
		ATCCTGTTGGCCGTCGTGGCCCTGTACGTGCGCATCTACTGCGTGGTCCGCTCAAGCCAC	
	601	TAGGACAACCGGCAGCACCGGGACATGCACGCGTAGATGACGCACCAGGCGAGTTCGGTG	660
		GCTGACATGGCCGCCCGCAGACGCTAGCCCTGCTCAAGACGGTCACCATCGTGCTAGGC	
	661	CGACTGTACCGGCGGGGCGTCTGCGATCGGGACGAGTTCTGCCAGTGGTAGCACGATCCG	720
		GTCTTTATCGTCTGCTGGCTGCCCGCCTTCAGCATCCTCCTTCTGGACTATGCCTGTCCC	
	721	`	780

	CAGAAATAGCAGACCGACGGGCGGAAGTCGTAGGAGGAAGACCTGATACGGACAGGG	
. 781	GTCCACTCCTGCCCGATCCTCTACAAAGCCCACTACCTTTTCGCCGTCTCCACCCTGAAT+ CAGGTGAGGACGGCTAGGAGATGTTTCGGGTGATGGAAAAGCGGCAGAGGTGGGACTTA	840
841	TCCCTGCTCAACCCCGTCATCTACACGTGGCGCAGCCGGGACCTGCGGCGGGAGGTGCTT AGGGACGAGTTGGGGCAGTAGATGTGCACCGCGTCGGCCCTGGACGCCGCCCTCCACGAA	900
901	CGGCCGCTGCAGTGCTGGCGGCCGGGGGTGGGGGTGCAAGGACGGAGGCGGGGCGGGACC+ GCCGGCGACGTCACGACCGCCGGCCCCCACCCTTCCTGCCTCCGCCCCGCCCTGG	960
961	CCGGGCCACCACCTCCTGCCACTCCGCAGCTCCAGCTCCCTGGAGAGGGGCATGCACATG+ GGCCCGGTGGTGGAGGACGGTGAGGCGTCGAGGTCGAGGGACCTCTCCCCGTACGTGTAC	1020
1021	CCCACGTCACCCACGTTTCTGGAGGGCAACACGGTGGTCTGA	

FIGURE 16 A

- 1 MGSLYSEYLN PNKVQEHYNY TKETLETQET TSRQVASAFI VILCCAIVVE
- 51 MILVLIAVAR NSKFHSAMYL FLGNLAASDL LAGVAFVANT LLSGSVTLRL
- 101 TPVQWFAREG SAFITLSABV FSLLAIAIER HVAIAKVKLY GSDKSCRMLL
- LIGASWLISL VLOGLPILGW NCLGHLEACS TVLPLYAKHY VLCVVTIFSI
- ILLATVALYV RIYCVVRSSH ADMAAPQTLA LLKTVTIVLG VFIVCWLPAF
- SILLLDYACP VHSCPILYKA HYXBAVSTLN SLLMPVIYTW RSRDLRREVL
- RPLOCWRPGV GVOGRRRGGT POHHLLPLRS SSSIERGMHM PTSFTFLEGN
- 351 TVV*

```
Conserved features of G-protein coupled receptors include:
```

N-terminal extracellular domain: Residues 1 Residues 37

TM-I:

Intracellular loop 1:

TM-II:

Extracellular loop 1:

TM-III:

Intracellular loop 2:

TM-IV:

Extracellular loop 2:

TM-V:

Intracellular loop 3:

TM-VI:

Extracellular loop 3:

TM-VII:

C-terminal cytoplasmic domain:

Residues 286 - 353

Residues 59 - 68

Residués 69 - 92.

Residues 93 - 111

Residues 112 - 130

Residues 131 - 149

Residues 150 - 168

Residues 169 - 185

Residues 186 - 210

Residues 211 - 232 Residues 233 - 254

Residues 255 - 266

Residues 267 - 285

- 57

Potential post-transcriptional modification sites:

N-glycosylation:

Residues 19

Phosphorylation:

Residues 142, 145, 219, 289,332, 345

Myristylation:

Residues 141, 318

Figure 16B

Predicted amino acid sequence of HEDG4 polypeptide encoded by pC3-hedg4#36.

 1	MGSLYSEYLN	PNKVQEHYNY	TKETLETQET	TSRQVASAFI	VILCCAIVVE
51	NLLVLIAVAR	NSKFHSAMYL	FLGNLAASDL	LAGVAFVANT	LLSGSVTLRL
101	TPVQWFAREG	SAFITLSASV	FSLLAIAIER	HVAIAKVKLY	GSDKSCRMLL
151	LIGASWLISL	VLGGLPILGW	NCLGHLEACS	TVLPLYAKHY	VLCVVTIFSI
201	ILLAVVALYV	RIYCVVRSSH	ADMAAPQTLA	LLKTVTIVLG	VFIVCWLPAF
251	SILLLDYACP	VHSCPILYKA	HYLFAVSTLN	SLLNPVIYTW	RSRDLRREVL
301	RPLQCWRPGV	GVQGRRRGGT	PGHHLLPLRS	SSSLERGMHM	PTSPTFLEGN
351	TVV				

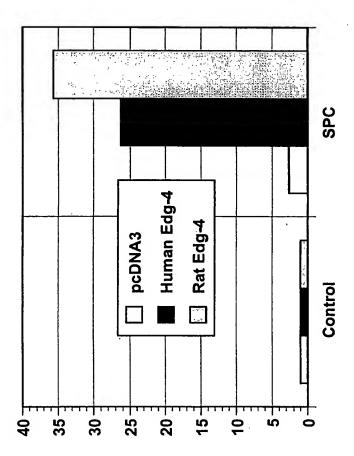
FIGURE 17 A

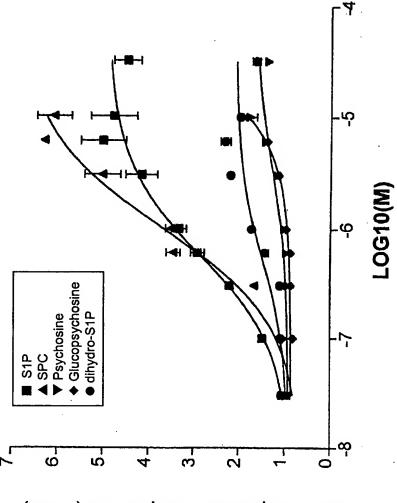
Human 1 MGSLYSEYLNPNKVQEHYNYTKETLETQETTSRQVASAFIVILCC	
Rat) 1 MGGLYSEYLNPEKVQEHYNYTKETLDMQETPSRKVASAFIIILCC	AIVVE 50
Human 51 NILVLIAVARNSKFHSAMYLFLGNLAASDLLAGVAFVANTILISGS	
RAC S1 NILVUJAVARNSKEHSAMYLFIGNLÄASDLIAGVAFVANTLISGE	
Rat 51 NLLVUTAVARNSKFHSAMYLFLGNLAASDILLAGVAFVANTLUSGP	
Human 101 TPVOWFAREGSAFITLSASVFSLLATAIERHVAIAKVKLYGSDKS	CRMLL 150
Rat 101 TPLOWFAREGSAFITLSASVFSLLATAISROVAIAKVKLYGSDKS	CRMLM 150
	•
Human 151 LIGASWLISLVLGGLFILGWNCLGHLACSTVIPLYAKHYVLCVV	
Rat 151 LIGASWLISLILGGLPILGWNCLDHLEACSTVUPLXAKHYVLCVV	T1F5V 200
Human 201 ILLAIVALYVRIYCVVRSSHADMAAPQTLALLKTVTIVLGVFIVO	₩Т.₽ЪР 250
Rat 201 ILLAIVALYVRIYFVVRSSHADVAGPQTLALLKTVTIVLGVFIIC	
Human 251 SILLLDYACPVHSCPILYKAHYXFAVSTLMSLLMPVIYTWRSRDI	
11111 11 11	
Rat 251 SILLLDSTCPVRACEVLYKAHYFFAFATINSLINPVIYTWRSRDI	RREVL 300
Human 301 RPLQCWRPGVGVQGRRRGGTPGHHLLPLRSSS\$LERGMEMPTSP7	FLEGN 350
Rat 301 RPLLCWRQGKGATG.RRGGNPGHRLLPLR99SSLERGLHMPT9P	
REC 501 RFIDCHRQURUMIG. RROUNFORREDEELROSSIERRALEELSE	. FIECH 343
Ruman 351 TVV* 353	

Figure 17B

Alignment of HEDG4 with pC3-hedg4#36 translation product and rat H218 (REDG4). Differences between pC3-hedg4#36 translation product and previously determined HEDG4 polypeptide are indicated in reverse text. Differences between rat and human edg-4 polypeptide sequences are shown in bold, shaded text.

HEDG4 HEDG4#36	MGSLYSEYLN	PNKVQEHYNY	TKETLETQET TKETLETQET	TSROVASAFT	VTLCCATIME
REDG4		PEKVQEHYNY	TKETLDMOET	PSRKVASAFI	ILCCAIVVE
777770.04	51				100
HEDG4	NLLVLIAVAR	NSKFHSAMYL	FLGNLAASDL	LAGVAFVANT	LLSGSVTLRL
HEDG4#36	NLLVLIAVAR	NSKFHSAMYL	FLGNLAASDL	LAGVAFVANT	LLSGSVTLRL
REDG4	NLLVLIAVAR	NSKFHSAMYL	FLGNLAASDL	LAGVAFVANT	LLSG P VTL S L
	101				150
HEDG4	TPVQWFAREG	SAFITLSASV	FSLLAIAIER	HVAIAKVKLY	GSDKSCRMI.I.
HEDG4#36	TPVQWFAREG	SAFITLSASV	FSLLAIAIER	HVAIAKVKLY	GSDKSCRMI.I.
REDG4	TPLOWFAREG	SAFITLSASV	FSLLAIAIER	Q VAIAKVKLY	GSDKSCRMLM
	151				
HEDG4	LIGASWLIST	VI.GGT.PTI.GW	NCLGHLEACS	ייידער דון און דווייי	200
HEDG4#36	LIGASWLISL	VI.GGI.DII.GW	NCLGHLEACS	TAPPTAVHT	VLCVVTIFSI
REDG4	LTGASWLISL	TI.GGI.DII.GW	NCLDHLEACS	TATATA	VLCVVTIFS1
	2101101121011	E HOOTH I HOW	NCLIGHTEACS	IVLPLYAKHY	VLCVVTIFS
	201				250
HEDG4	ILLAVVALYV	RIYCVVRSSH	ADMAAPQTLA	LIKTVTTVI.G	VETUCWI DAR
HEDG4#36	ILLAVVALYV	RIYCVVRSSH	ADMAAPQTLA	LLKTVTTVLG	VEIVCMIPAE
REDG4	ILLAIVALYV	RIYFVVRSSH	AD Y A G PQTLA	LLKTVTIVLG	VFITCWLPAF
	251				300
HEDG4	SILLLDYACP	VHSCPILYKA	HYXFAVSTLN	SLLNPVIYTW	RSRDLRREVL
HEDG4#36	SILLLDYACP	VHSCPILYKA	HYLFAVSTLN	SLLNPVIYTW	RSRDLRREVI
REDG4	SILLLDSTCP	VRACPYLYKA	HYEFAFATLN	SLLNPVIYTW	RSRDLRREVL
	301				350
HEDG4	RPLOCWRPGV	GVOGRRRGGT	PGHHLLPLRS	SSSLEDGMHM	
HEDG4#36	RPLOCWRPGV	GVOGRRRGGT	PGHHLLPLRS	SSSLEDGMHM	DTCDTCT CCM
REDG4	RPLECWROCK	GATGERRGGN	PGHRLLPLRS	SSSLEDGEUM	DTCDTT TCM
			- Onegone Divo	MUTTONATION	LISEITEGN
	351				
HEDG4	TVV~				
HEDG4#36	TVV~				
REDG4	TVV~				





SRE Reporter Response (Fold)

Figure 18B.

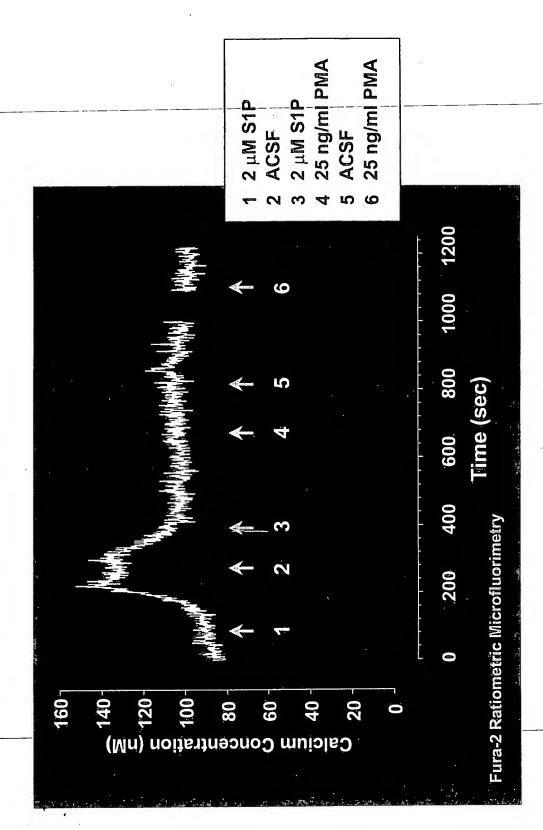


Figure 20.

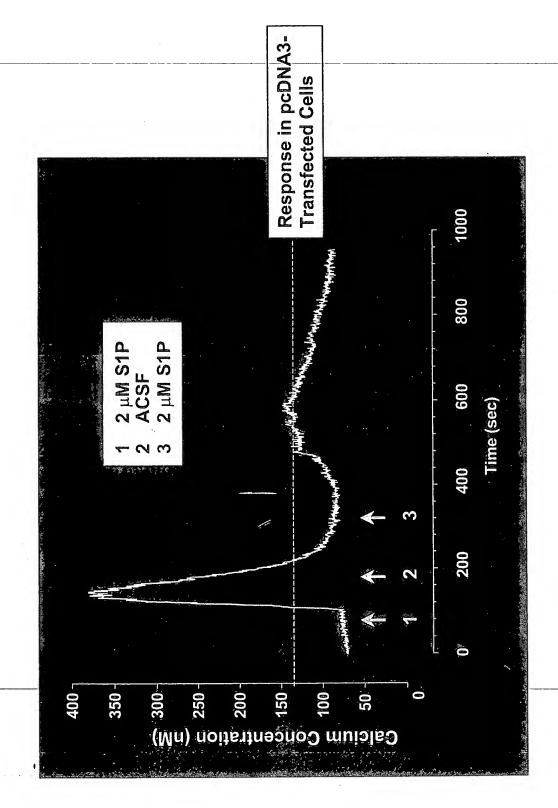


Figure 21	. Human Edg-6 Amino Acid Sequence.	١٠.
· 1	MVIMGQCYYNETIGFFYNNSGKELSSHWRPKDVVVVALGLTVSVLVLLTNLLVIAAIASN	60
61	RRFHQPIYYLLGNLAAADLFAGVAYLFLMFHTGPRTARLSLEGWFLRQGLLDTSLTASVA	-120-
121	TLLAIAVERHRSVMAVQLHSRLPRGRVVMLIVGVWVAALGLGLLPAHSWHCLCALDRCSR	180
181	MAPLLSRSYLAVWALSSLLVFLLMVAVYTRIFFYVRRRVQRMAEHVSCHPRYRETTLSLV	240
241	KTVVIILGAFVVCWTPGQVVLLLDGLGCESCNVLAVEKYFLLLAEANSLVNAAVYSCRDA	300
301	EMRRTFRRLLCCACLRQSTRESVHYTSSAQGGASTRIMLPENGHPLMDSTL*	

Figure 22. Human Edg-6 Sequence

		ATGGTCATCATGGGCCAGTGCTACTACAACGAGACCATCGGCTTCTTCTATAACAACAGT	
	1	TO COLOTE OTHER COORDINATE OF THE COLOTE OF THE COLO	69
		TACCAGTAGTACCCGGTCACGATGATGTTGCTCTGGTAGCCGAAGAAGATATTGTTGTCA	
	61	GGCAAAGAGCTCAGCTCCCACTGGCGGCCCCAAGGATGTGGTCGTGGTGGCACTGGGGCTG	120
	. 61	CCGTTTCTCGAGTCGAGGGTGACCGCCGGGTTCCTACACCAGCACCACCGTGACCCCGAC	120
		ACCGTCAGCGTGCTGGTGCTGACCAATCTGCTGGTCATAGCAGCCATCGCCTCCAAC	•
	121		180
		TGGCAGTCGCACGACCACGACTGGTTAGACGACCAGTATCGTCGGTAGCGGAGGTTG	
		CGCCGCTTCCACCAGCCCATCTACTACCTGCTCGGCAATCTGGCCGCGGCTGACCTCTTC	
	181	GCGGCGAAGGTGGTCGGGTAGATGATGACGACCGTTAGACCGGCGCCGACTGGAGAAG	240
	241	GCGGGCGTGGCCTACCTCTTCCTCATGTTCCACACTGGTCCCCGCACAGCCCGACTTTCA	300
! :		$\tt CGCCCGCACCGGATGGAGAAGGAGTACAAGGTGTGACCAGGGGCGTGTCGGGCTGAAAGT$	
		CTTGAGGGCTGGTTCCTGCGGCAGGGCTTGCTGGACACAAGCCTCACTGCGTCGGTGGCC	
	301	GAACTCCCGACCAAGGACGCCGTCCCGAACGACCTGTGTTCGGAGTGACGCAGCCACCGG	360
ŧ		GAACTCCCGACCAAGGACGCCGTCCCGAACGACCTGTGTTCGGAGTGACGCAGCCACCGG	
	361	ACACTGCTGGCCATCGCCGTGGAGCGCACCGCAGTGTGATGGCCGTGCAGCTGCACAGC	420
	301	TGTGACGACCGGTAGCGGCACCTCGCCGTGGCGTCACACTACCGGCACGTCGACGTGTCG	420
		CGCCTGCCCGTGGCCGCGTGGTCATGCTCATTGTGGGCGTGTGGGTGG	
	421		480
		GCGGACGGGCACCGGCACCAGTACGAGTAACACCCGCACACCCACC	
	407	CTGGGGCTGCTGCCCACTCCTGGCACTGCTCTGTGCCCTGGACCGCTGCTCACGC	540
	481	GACCCGACGACGGACGGTGAGGACCGTGACGGAGACACGGGACCTGGCGACGAGTGCG	540
		ATGGCACCCTGCTCAGCCGCTCCTATTTGGCCGTCTGGGCTCTGTCGAGCCTGCTTGTC	
	541		600
		TACCGTGGGGACGAGTCGGCGAGGATAAACCGGCAGACCCGAGACAGCTCGGACGAACAG	
		${\tt TTCCTGCTCATGGTGGCTGTGTACACCCGCATTTTCTTCTACGTGCGGCGGCGAGTGCAG}$	
	601	AAGGACGAGTACCACCGACACATGTGGGCGTAAAAGAAGATGCACGCCGCCGCTCACGTC	660
	661	CGCATGGCAGAGCATGTCAGCTGCCACCCCCGCTACCGAGAGACCACGCTCAGCCTGGTC	720
		_GCGTACCGTCTCGTACAGTCGACGGTGGGGGGGGATGG C TCTCTGGTGCGAGTCGGACCAG-	
		AAGACTGTTGTCATCATCCTGGĠGGCGTTCGTGGTCTGCTGGACACCAGGCCAGG	
	721	TTCTGACAACAGTAGGACCCCCGCAAGCACCAGACGACCTGTGGTCCGGTCCACCAT	780
	781	CTGCTCCTGGATGTTTAGGCTGTGAGTCCTGCAATGTCCTGGCTGTAGAAAAGTACTTC	840
	701	GACGAGGACCTACCAAATCCGACACTCAGGACGTTACAGGACCGACATCTTTTCATGAAG	

841	CTACTGCTGGCCGAGGCCAACTCACTGGTCAATGCTGCTGTGTACTCTTGCCGAGATGCT+ GATGACGACCGGCTCCGGTTGAGTGACCAGTTACGACGACACATGAGAACGGCTCTACGA	900
901	GAGATGCGCCGCACCTTCCGCCGCCTTCTCTGCTGCGCGTGCCTCCGCCAGTCCACCCGC	960
961	GAGTCTGTCCACTATACATCCTCTGCCCAGGGAGGTGCCAGCACTCGCATCATGCTTCCC+ CTCAGACAGGTGATATGTAGGAGACGGGTCCCTCCACGGTCGTGAGCGTAGTACGAAGGG	1020
1021	GAGAACGGCCACCACTGATGGACTCCACCCTTTAG	

-Reporter-Gene-Response-to-10-μM-LPA-(Fold)-

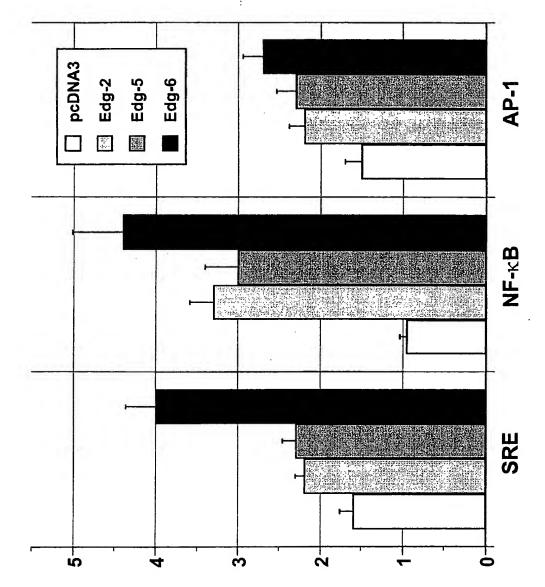


Figure 25.

Psychosine

SPC

S1P

Edg-1

Edg-3 Edg-3 Edg-4 Edg-7

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